

Human Glucocorticoid receptor ELISA Kit | GR elisa kit

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CATALOG #
AAA93763

REACTIVITY
Human

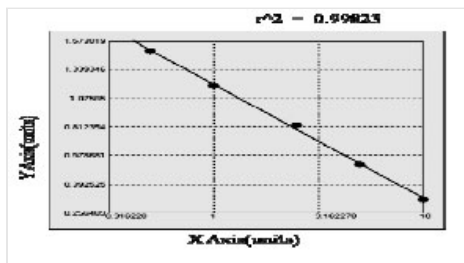
PRODUCT SYNONYMS

Glucocorticoid receptor; Human Glucocorticoid receptor ELISA Kit; GR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GR elisa kit

Intended Uses: This GR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human GR.

Principle of the Assay: GR ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GR antibody and an GR-HRP conjugate. The assay sample and buffer are incubated together with GR-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the GR concentration since GR from samples and GR-HRP conjugate compete for the anti-GR antibody binding site. Since the number of sites is limited, as more sites are occupied by GR from the sample, fewer sites are left to bind GR-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GR concentration in each sample is interpolated from this standard curve.

Product Categories/Family for GR elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	239758
NCBI GeneID	2908
Molecular Weight	82,904 Da
NCBI Official Full Name	glucocorticoid receptor, partial
NCBI Official Synonym Full Names	nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)
NCBI Official Symbol	NR3C1
NCBI Official Synonym Symbols	GR; GCR; GRL; GCCR; GCRST
NCBI Protein Information	glucocorticoid receptor; glucocorticoid nuclear receptor variant 1
UniProt Protein Name	Glucocorticoid receptor
UniProt Gene Name	NR3C1
UniProt Synonym Gene Names	GRL; GR
UniProt Entry Name	GCR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/gr-human-elisa-kits/glucocorticoid-receptor/93763>